

0. SCIAMACHY Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.3 20060731
Time of report generation	06APR2009 18:23:09
Data source version	KSPT_L0/4303-N
Processing scope for products	31MAR2009 00:00:00 to 01APR2009 00:00:00
Start time of first product within scope	30MAR2009 23:47:03
Stop time of last product within scope	01APR2009 00:57:18
Total number of level 0 products	16
Number of level 0 products with errors	1

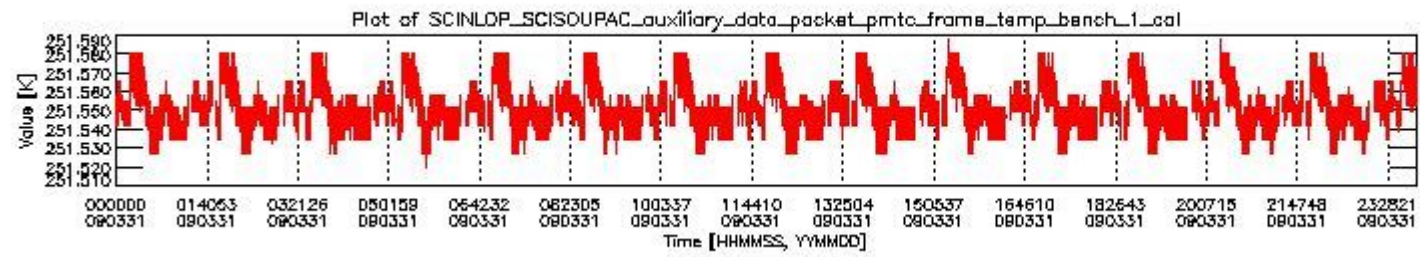
0.1.2 Summary per product

The following table shows a summary for each product used in this report.

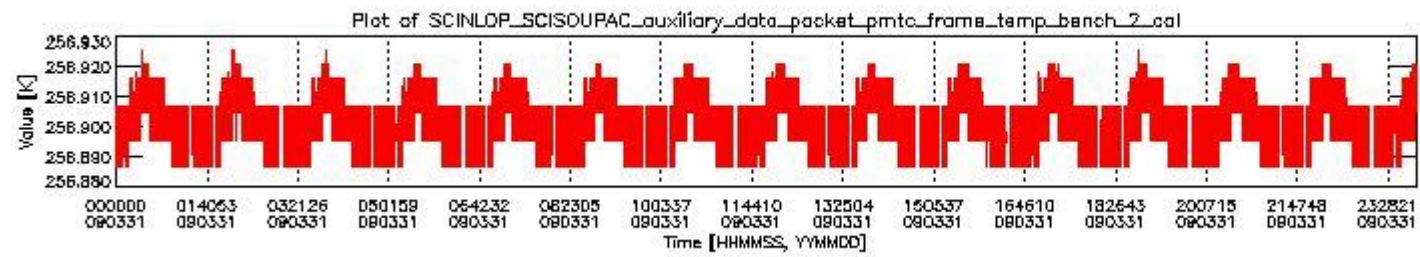
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090330_234703_000061202077_00402_37029_8855.N1	30MAR2009 23:47:03	31MAR2009 01:29:03	0	0	0	0	0
1	SCI_NL__OPNPDE20090331_012746_000046602077_00403_37030_8856.N1	31MAR2009 01:27:46	31MAR2009 02:45:26	0	0	0	0	0
2	SCI_NL__OPNPDE20090331_024526_000057992077_00404_37031_8857.N1	31MAR2009 02:45:26	31MAR2009 04:22:06	0	0	0	0	0
3	SCI_NL__OPNPDE20090331_042206_000060232077_00405_37032_8858.N1	31MAR2009 04:22:06	31MAR2009 06:02:28	0	0	0	0	0
4	SCI_NL__OPNPDK20090331_060228_000041132077_00406_37033_1138.N1	31MAR2009 06:02:28	31MAR2009 07:11:02	0	0	0	0	0
5	SCI_NL__OPNPDK20090331_071102_000060912077_00407_37034_1139.N1	31MAR2009 07:11:02	31MAR2009 08:52:33	0	0	0	0	0
6	SCI_NL__OPNPDK20090331_085137_000060352077_00408_37035_1140.N1	31MAR2009 08:51:37	31MAR2009 10:32:13	0	0	0	0	0
7	SCI_NL__OPNPDK20090331_103117_000060232077_00409_37036_1141.N1	31MAR2009 10:31:17	31MAR2009 12:11:39	0	0	0	0	0
8	SCI_NL__OPNPDK20090331_121044_000060352077_00410_37037_1142.N1	31MAR2009 12:10:44	31MAR2009 13:51:19	1	1	0	0	0
9	SCI_NL__OPNPDK20090331_135023_000057742077_00411_37038_1143.N1	31MAR2009 13:50:23	31MAR2009 15:26:37	0	0	0	0	0
10	SCI_NL__OPNPDK20090331_152541_000059802077_00412_37039_1144.N1	31MAR2009 15:25:41	31MAR2009 17:05:21	0	0	0	0	0
11	SCI_NL__OPNPDK20090331_170412_000060572077_00413_37040_1145.N1	31MAR2009 17:04:12	31MAR2009 18:45:10	0	0	0	0	0
12	SCI_NL__OPNPDK20090331_184414_000059242077_00414_37041_1146.N1	31MAR2009 18:44:14	31MAR2009 20:22:58	0	0	0	0	0
13	SCI_NL__OPNPDE20090331_202139_000044352077_00415_37042_8859.N1	31MAR2009 20:21:39	31MAR2009 21:35:34	0	0	0	0	0
14	SCI_NL__OPNPDE20090331_213406_000061992077_00415_37042_8860.N1	31MAR2009 21:34:06	31MAR2009 23:17:25	0	0	0	0	0
15	SCI_NL__OPNPDE20090331_231518_000061202077_00416_37043_8861.N1	31MAR2009 23:15:18	01APR2009 00:57:18	0	0	0	0	0

0.2 Product Quality Indicators

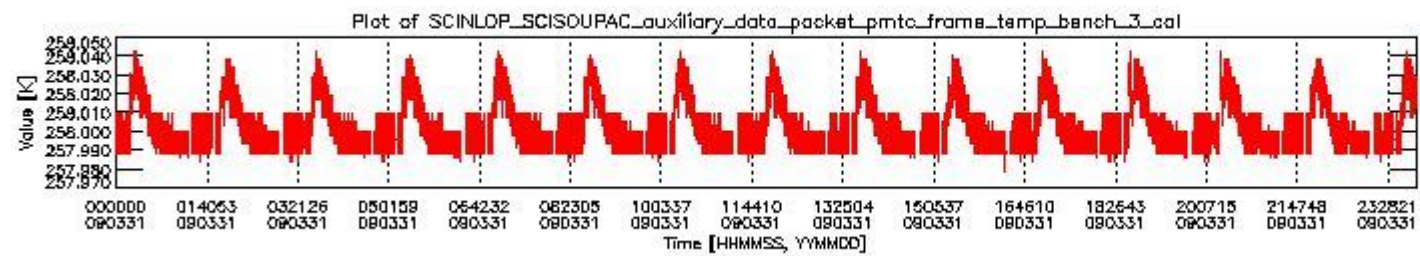
This section shows information about product quality, currently temperatures.



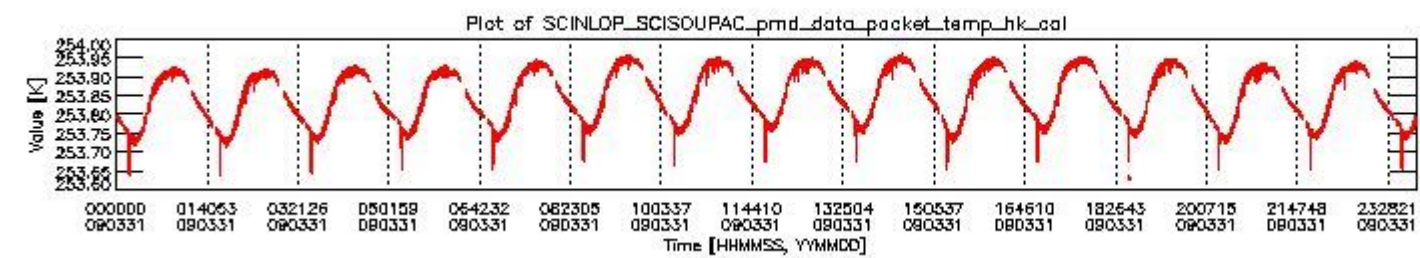
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_0.PNG



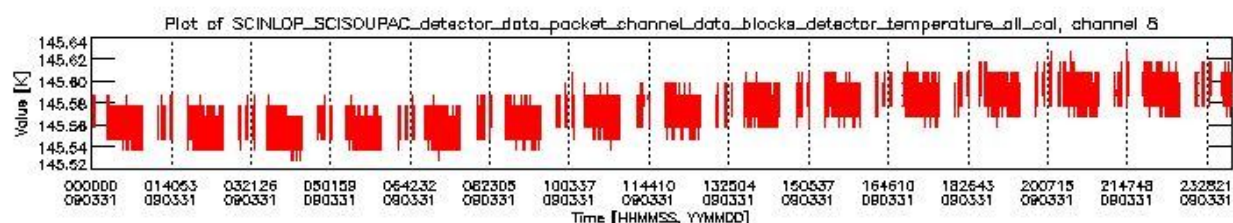
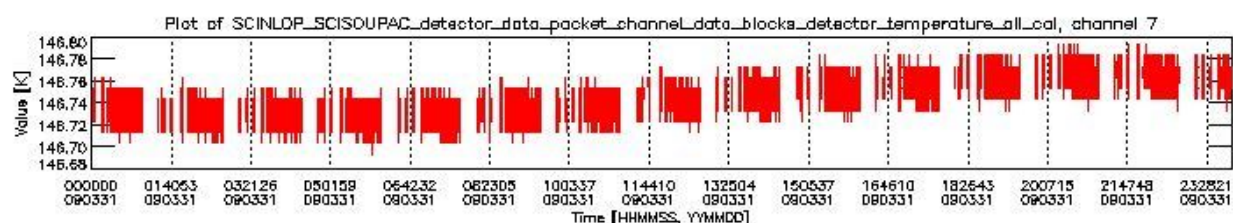
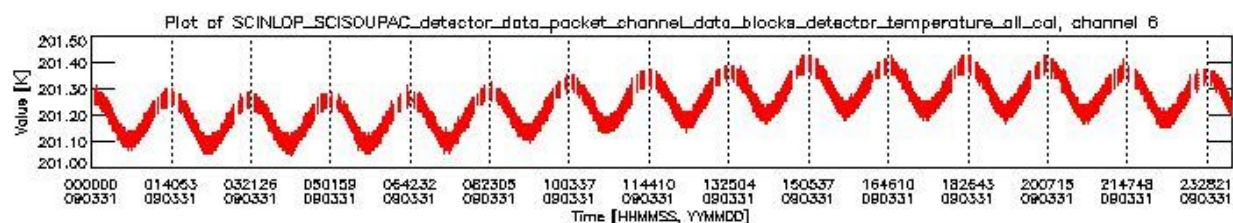
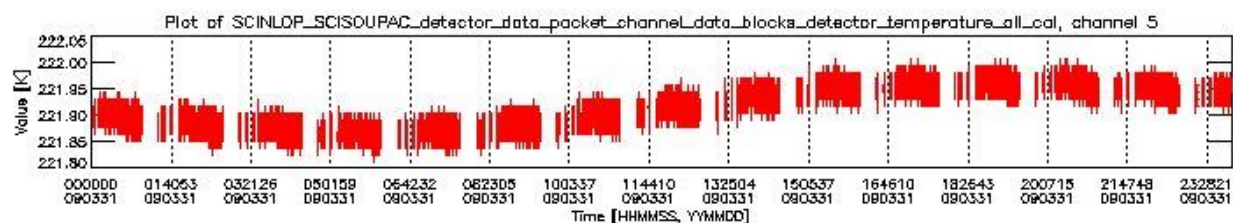
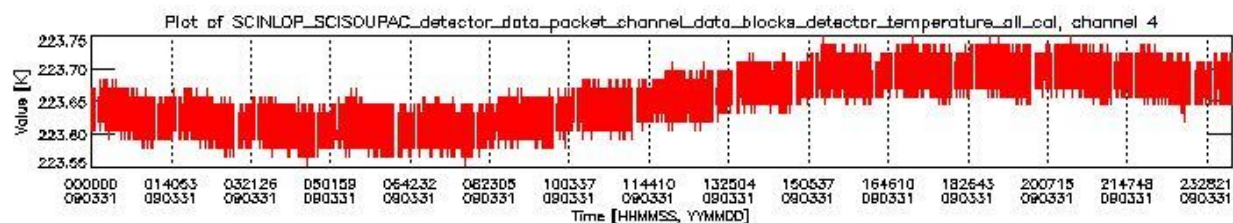
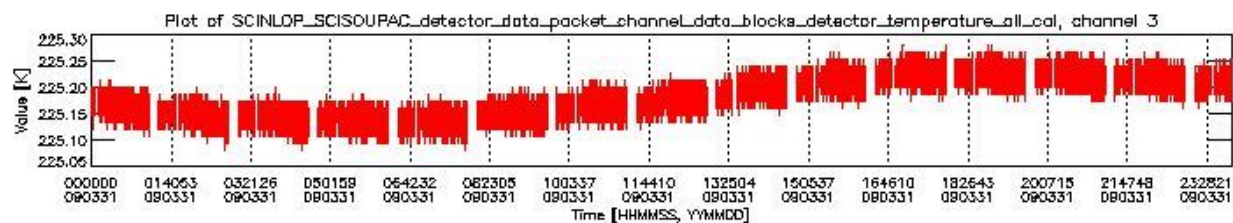
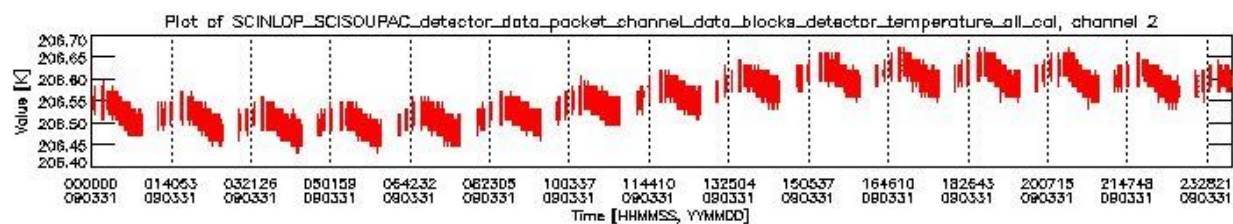
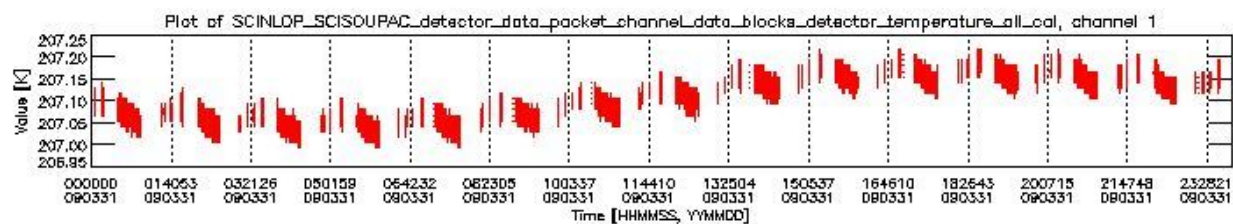
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_3.PNG

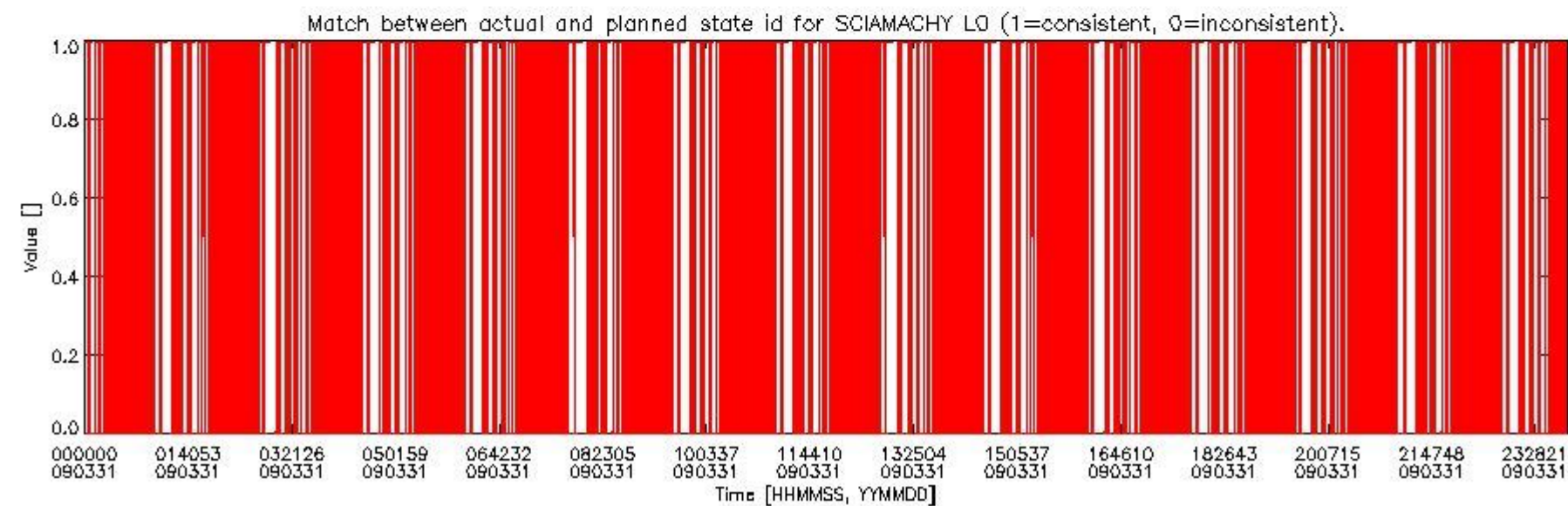
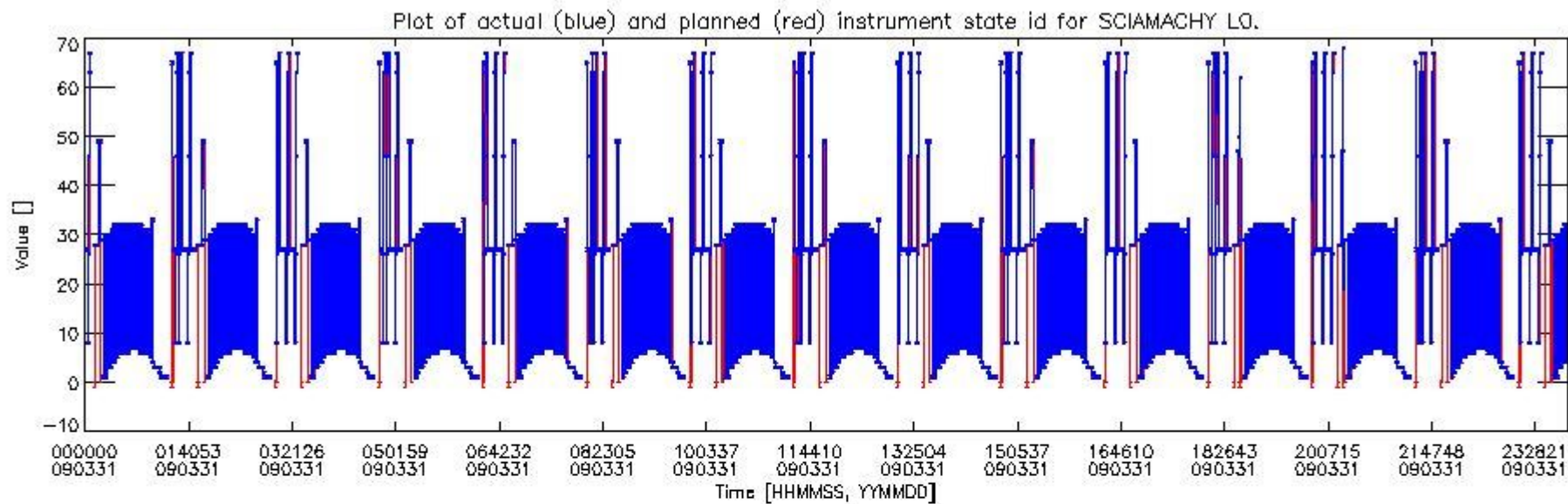


0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P_SCISOUPAC_state_id variable).

Total number of faults: **57017**

#	Actual time	Actual value	Planned time	Planned value
0	31MAR2009 00:02:55.259842	8	31MAR2009 00:02:55.259842	27
1	31MAR2009 00:02:56.384841	8	31MAR2009 00:02:56.384841	27
2	31MAR2009 00:02:57.384835	8	31MAR2009 00:02:57.384835	27
3	31MAR2009 00:02:58.384870	8	31MAR2009 00:02:58.384870	27
4	31MAR2009 00:02:59.384865	8	31MAR2009 00:02:59.384865	27
5	31MAR2009 00:03:00.259855	8	31MAR2009 00:03:00.259855	27
6	31MAR2009 00:03:00.384859	8	31MAR2009 00:03:00.384859	27
7	31MAR2009 00:03:01.384854	8	31MAR2009 00:03:01.384854	27
8	31MAR2009 00:03:02.384849	8	31MAR2009 00:03:02.384849	27
9	31MAR2009 00:03:03.384843	8	31MAR2009 00:03:03.384843	27
10	31MAR2009 00:03:04.384838	8	31MAR2009 00:03:04.384838	27
11	31MAR2009 00:03:05.259868	8	31MAR2009 00:03:05.259868	27
12	31MAR2009 00:03:05.384873	8	31MAR2009 00:03:05.384873	27
13	31MAR2009 00:03:06.384867	8	31MAR2009 00:03:06.384867	27
14	31MAR2009 00:03:07.384862	8	31MAR2009 00:03:07.384862	27
15	31MAR2009 00:03:38.822350	26	31MAR2009 00:03:38.822350	8
16	31MAR2009 00:03:39.447371	26	31MAR2009 00:03:39.447371	8
17	31MAR2009 00:03:39.947349	26	31MAR2009 00:03:39.947349	8
18	31MAR2009 00:03:40.447366	26	31MAR2009 00:03:40.447366	8
19	31MAR2009 00:03:40.947343	26	31MAR2009 00:03:40.947343	8

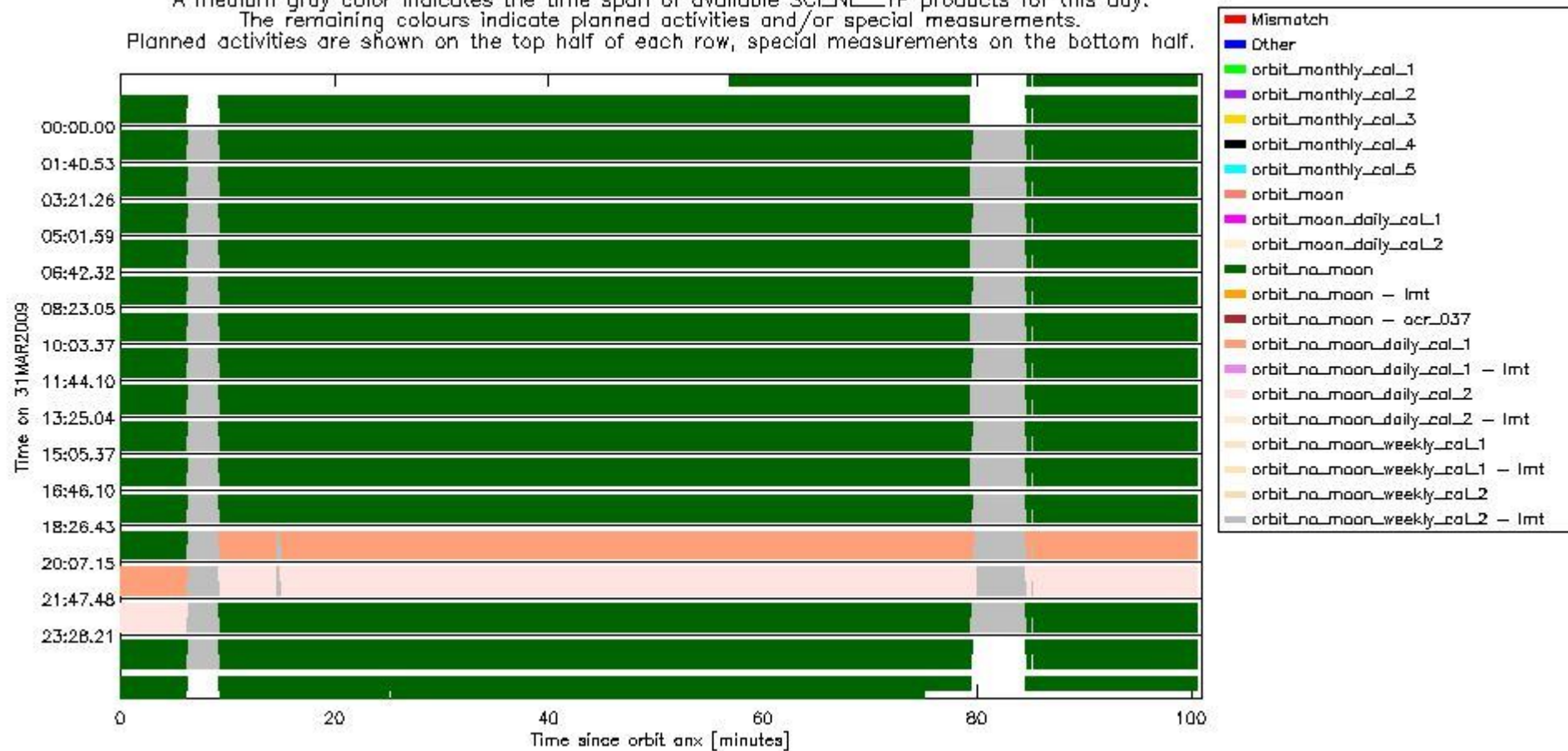


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 31MAR2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_6.PNG

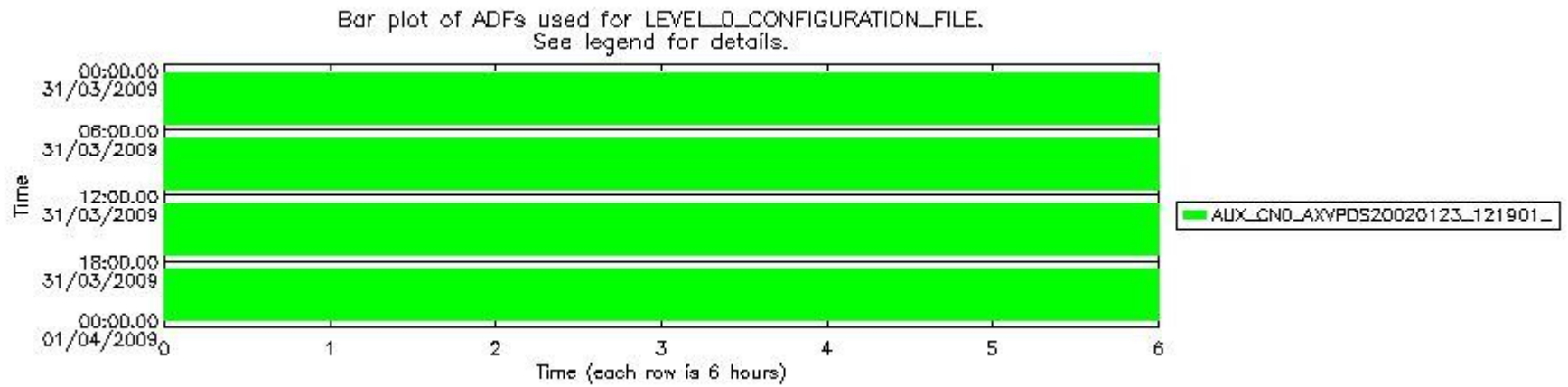
0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

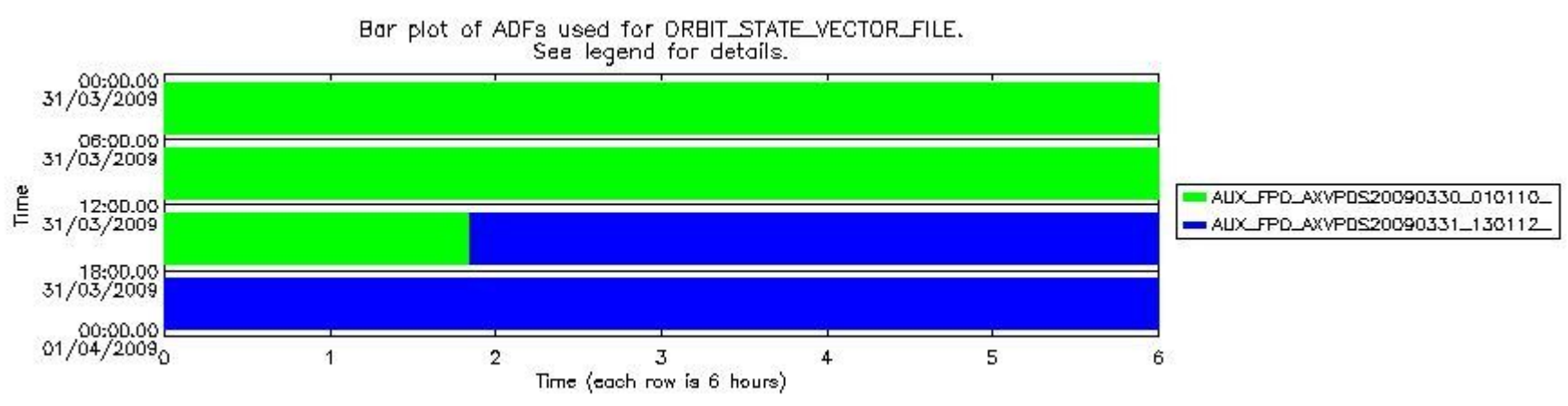
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

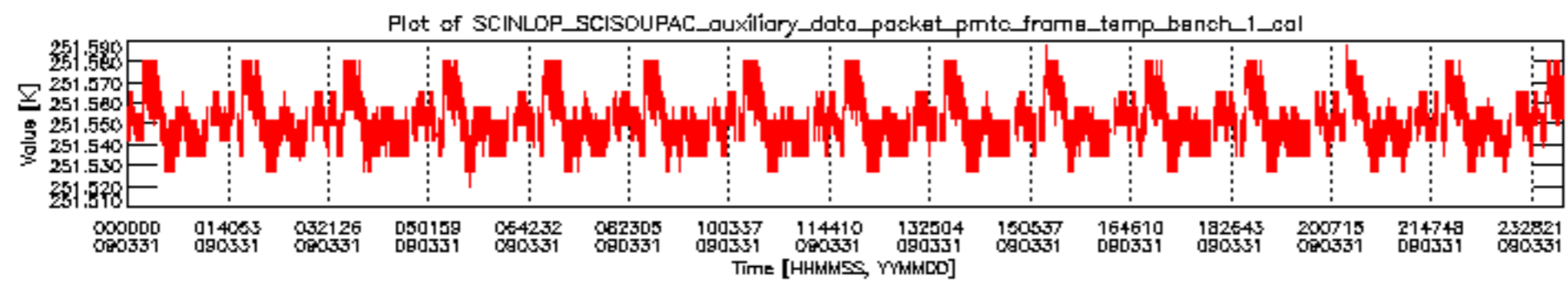
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090330_010110_20090329_192958_20090408_205610
2	AUX_FPO_AXVPDS20090331_130112_20090330_185821_20090409_202433

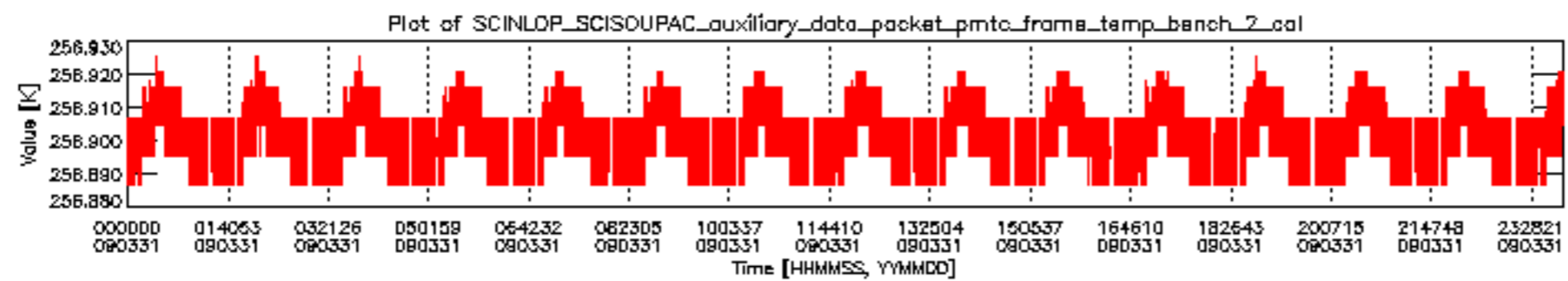


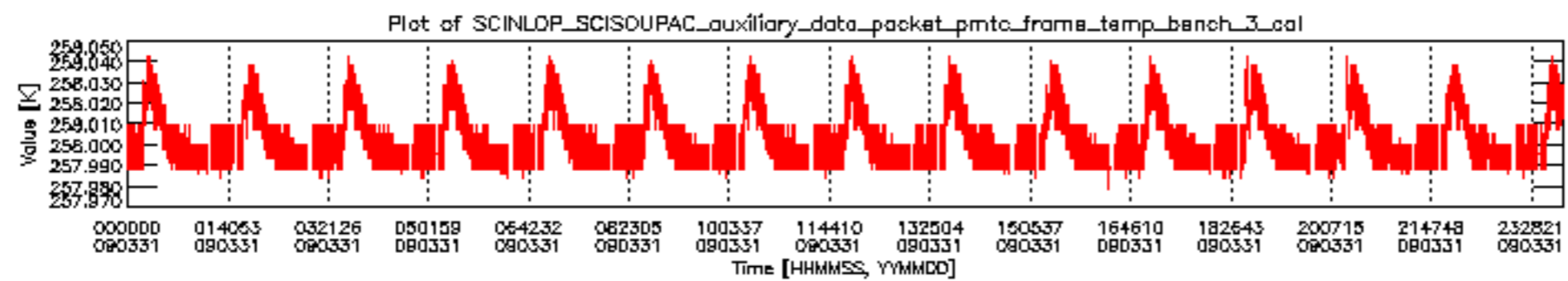
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_7.PNG

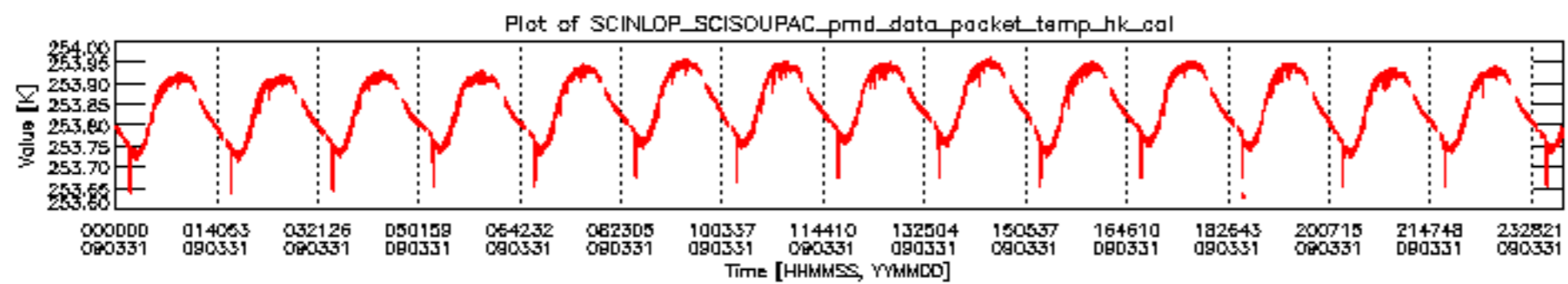


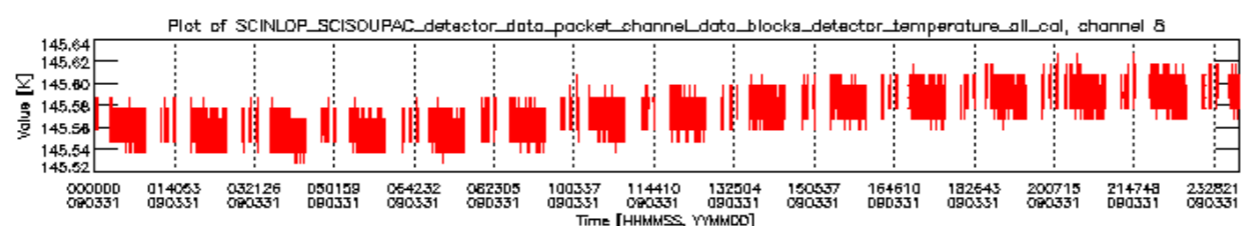
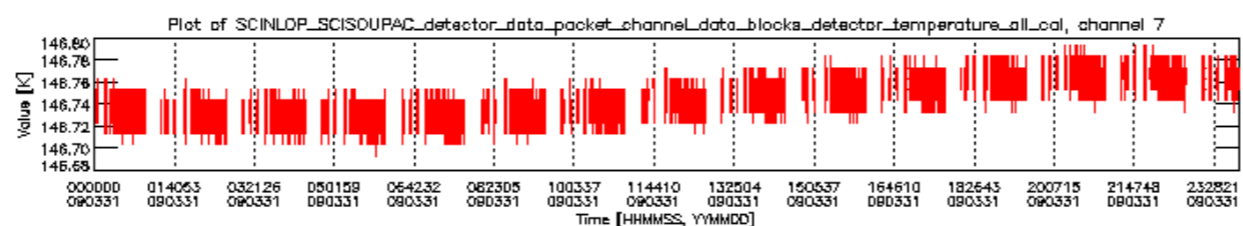
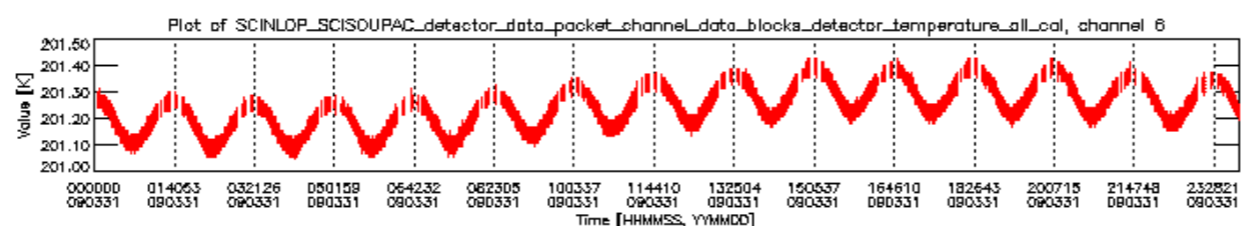
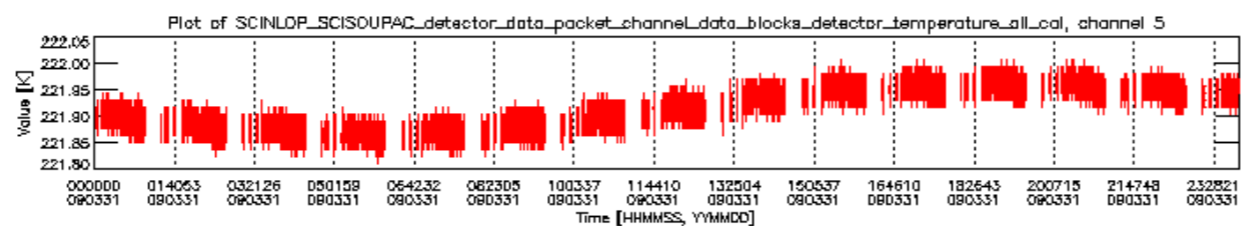
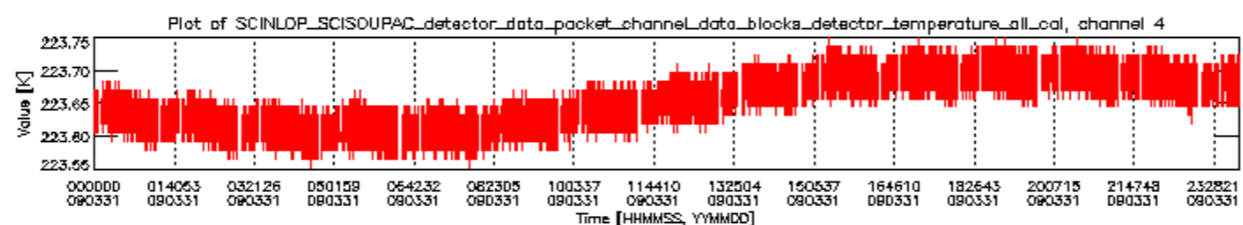
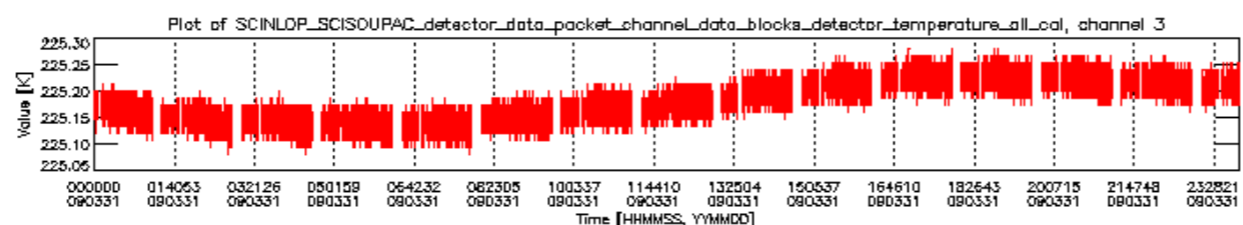
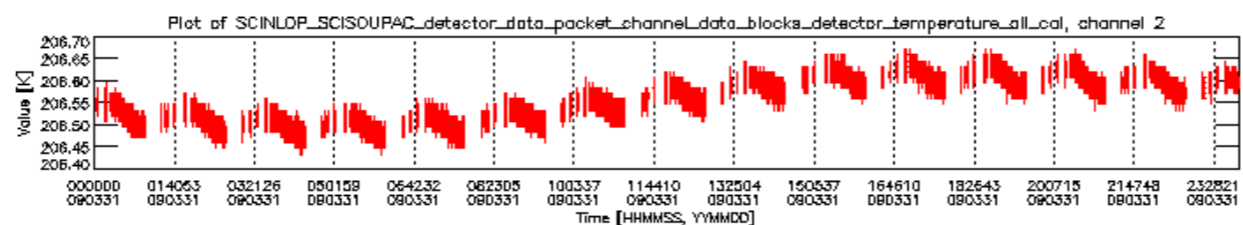
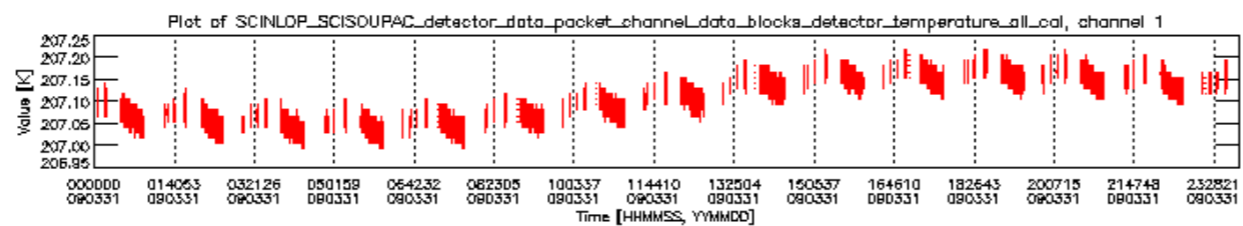
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090331_8.PNG

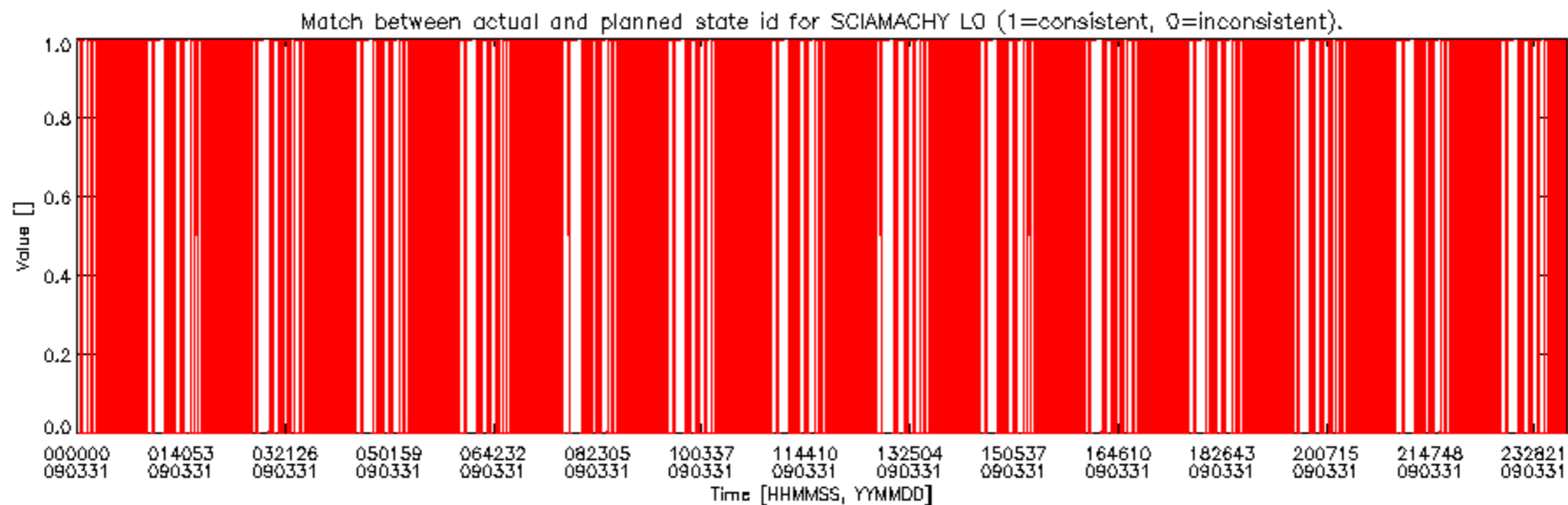
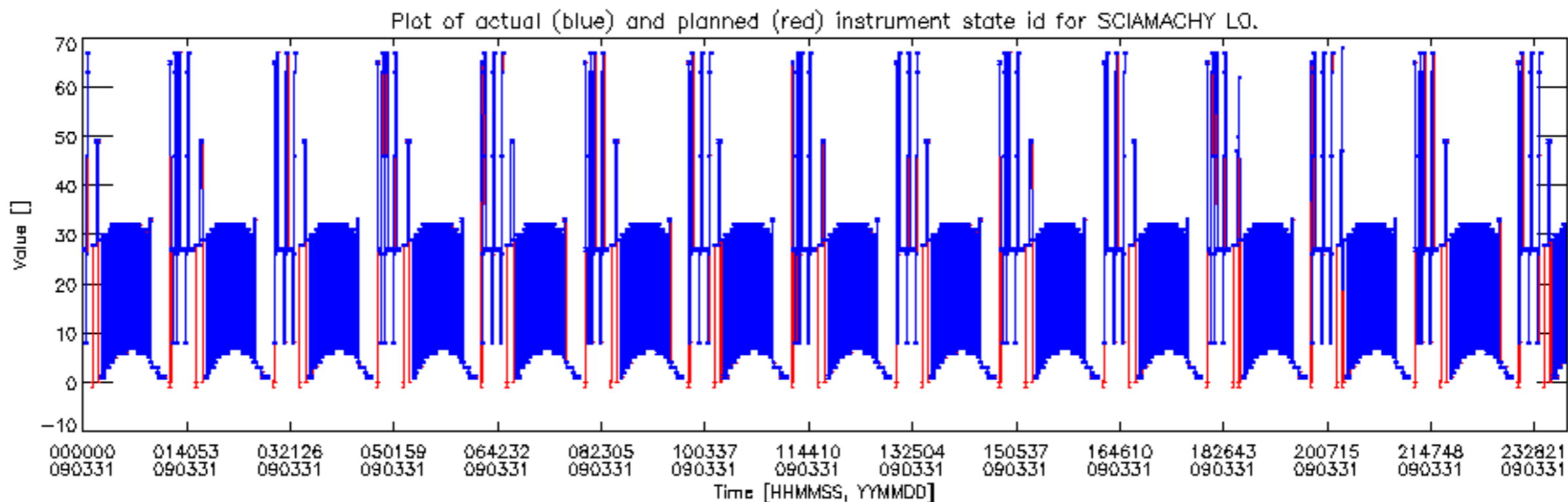












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